

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/627,685A
Source: 1FW16
Date Processed by STIC: 1/21/05

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/627,685A

DATE: 01/21/2005

TIME: 16:03:09

Input Set : A:\268.revised sequence.txt

Output Set: N:\CRF4\01212005\J627685A.raw

3 <110> APPLICANT: Cornell-Bell, Ann H.
 4 Pemberton, Karen E.
 5 Temple Jr., Davis L.
 6 Layer, Richard T.
 7 McCabe, R. Tyler
 8 Jones, Robert M.
 9 Cognetix, Inc.

11 <120> TITLE OF INVENTION: Uses of Kappa-Conotoxin PVIIA
 13 <130> FILE REFERENCE: 2314-268
 15 <140> CURRENT APPLICATION NUMBER: US 10/627,685A
 16 <141> CURRENT FILING DATE: 2003-07-28
 18 <150> PRIOR APPLICATION NUMBER: US 09/666,837
 19 <151> PRIOR FILING DATE: 2000-09-21
 21 <150> PRIOR APPLICATION NUMBER: US 60/219,438
 22 <151> PRIOR FILING DATE: 2000-07-20
 24 <150> PRIOR APPLICATION NUMBER: US 60/155,135
 25 <151> PRIOR FILING DATE: 1999-09-22
 27 <160> NUMBER OF SEQ ID NOS: 26
 29 <170> SOFTWARE: PatentIn Ver. 2.0
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 27
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Conus purpurascens
 36 <220> FEATURE:
 37 <221> NAME/KEY: PEPTIDE
 38 <222> LOCATION: (1)..(27)
 39 <223> OTHER INFORMATION: Xaa at residue 2, 7, 18, 19, 22 and 25 may be Arg,
 40 homoarginine, ornithine, Lys, N-methyl-Lys,
 41 N,N-dimethyl-Lys, N,N,N-trimethyl-Lys, any
 42 synthetic basic amino acid, His or halo-His; Xaa at
 44 <220> FEATURE:
 45 <221> NAME/KEY: PEPTIDE
 46 <222> LOCATION: (1)..(27)
 47 <223> OTHER INFORMATION: residue 4 may be Pro or Hyp; Xaa at residue 9 and
 48 23 may be Phe, Tyr, meta-Tyr, ortho-Tyr, nor-Tyr,
 49 mono-halo-Tyr, di-halo-Tyr, O-sulpho-Tyr,
 50 O-phospho-Tyr, nitro-Tyr, Trp (D or L), neo-Trp,
 52 <220> FEATURE:
 53 <221> NAME/KEY: PEPTIDE
 54 <222> LOCATION: (1)..(27)
 55 <223> OTHER INFORMATION: halo-Trp (D or L) or any synthetic aromatic amino
 56 acid; Xaa at residue 11 is His or halo-His
 58 <400> SEQUENCE: 1

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W--> 59 Cys Xaa Ile Xaa Asn Gln Xaa Cys Xaa Gln Xaa Leu Asp Asp Cys Cys

60 1 5 10 15

62 Ser Xaa Xaa Cys Asn Xaa Xaa Asn Xaa Cys Val

63 20 25

66 <210> SEQ ID NO: 2

67 <211> LENGTH: 27

68 <212> TYPE: PRT

69 <213> ORGANISM: Conus purpurascens

71 <220> FEATURE:

72 <221> NAME/KEY: PEPTIDE

73 <222> LOCATION: (1)..(27) /

74 <223> OTHER INFORMATION: Xaa is Hyp

76 <400> SEQUENCE: 2

W--> 77 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys

78 1 5 10 15

80 Ser Ala Lys Cys Asn Arg Phe Asn Lys Cys Val

81 20 25

84 <210> SEQ ID NO: 3

85 <211> LENGTH: 27

86 <212> TYPE: PRT

87 <213> ORGANISM: Conus purpurascens

89 <220> FEATURE:

90 <221> NAME/KEY: PEPTIDE

91 <222> LOCATION: (1)..(27) /

92 <223> OTHER INFORMATION: Xaa is Hyp

94 <400> SEQUENCE: 3

W--> 95 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys

96 1 5 10 15

98 Ser Arg Lys Cys Asn Ala Phe Asn Lys Cys Val

99 20 25

102 <210> SEQ ID NO: 4

103 <211> LENGTH: 27

104 <212> TYPE: PRT

105 <213> ORGANISM: Conus purpurascens

107 <220> FEATURE:

108 <221> NAME/KEY: PEPTIDE

109 <222> LOCATION: (1)..(27) /

110 <223> OTHER INFORMATION: Xaa is Hyp

112 <400> SEQUENCE: 4

W--> 113 Cys Arg Ala Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys

114 1 5 10 15

116 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val

117 20 25

120 <210> SEQ ID NO: 5

121 <211> LENGTH: 27

122 <212> TYPE: PRT

123 <213> ORGANISM: Conus purpurascens

125 <220> FEATURE:

126 <221> NAME/KEY: PEPTIDE

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127 <222> LOCATION: (1)..(27)
128 <223> OTHER INFORMATION: Xaa is Hyp
130 <400> SEQUENCE: 5
W--> 131 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
132 1 5 10 15
134 Ser Arg Ala Cys Asn Arg Phe Asn Lys Cys Val
135 20 25
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 27
140 <212> TYPE: PRT
141 <213> ORGANISM: Conus purpurascens
143 <220> FEATURE:
144 <221> NAME/KEY: PEPTIDE
145 <222> LOCATION: (1)..(27)
146 <223> OTHER INFORMATION: Xaa is Hyp
148 <400> SEQUENCE: 6
W--> 149 Cys Ala Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
150 1 5 10 15
152 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
153 20 25
156 <210> SEQ ID NO: 7
157 <211> LENGTH: 27
158 <212> TYPE: PRT
159 <213> ORGANISM: Conus purpurascens
161 <220> FEATURE:
162 <221> NAME/KEY: PEPTIDE
163 <222> LOCATION: (1)..(27)
164 <223> OTHER INFORMATION: Xaa is Hyp
166 <400> SEQUENCE: 7
W--> 167 Cys Arg Ile Xaa Asn Gln Lys Cys Ala Gln His Leu Asp Asp Cys Cys
168 1 5 10 15
170 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
171 20 25
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 27
176 <212> TYPE: PRT
177 <213> ORGANISM: Conus purpurascens
179 <220> FEATURE:
180 <221> NAME/KEY: PEPTIDE
181 <222> LOCATION: (1)..(27)
182 <223> OTHER INFORMATION: Xaa is Hyp
184 <400> SEQUENCE: 8
W--> 185 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
186 1 5 10 15
188 Ser Arg Lys Cys Asn Arg Phe Asn Ala Cys Val
189 20 25
192 <210> SEQ ID NO: 9
193 <211> LENGTH: 27
194 <212> TYPE: PRT

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195 <213> ORGANISM: Conus purpurascens
 197 <220> FEATURE:
 198 <221> NAME/KEY: PEPTIDE
 199 <222> LOCATION: (1)..(27)
 200 <223> OTHER INFORMATION: Xaa is Hyp
 202 <400> SEQUENCE: 9
 W--> 203 Cys Lys Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
 204 1 5 10 15
 206 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
 207 20 25
 210 <210> SEQ ID NO: 10
 211 <211> LENGTH: 27
 212 <212> TYPE: PRT
 213 <213> ORGANISM: Conus purpurascens
 215 <220> FEATURE:
 216 <221> NAME/KEY: PEPTIDE
 217 <222> LOCATION: (1)..(27)
 218 <223> OTHER INFORMATION: Xaa is Hyp
 220 <400> SEQUENCE: 10
 W--> 221 Cys Arg Ile Xaa Asn Gln Ala Cys Phe Gln His Leu Asp Asp Cys Cys
 222 1 5 10 15
 224 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
 225 20 25
 228 <210> SEQ ID NO: 11
 229 <211> LENGTH: 27
 230 <212> TYPE: PRT
 231 <213> ORGANISM: Conus purpurascens
 233 <220> FEATURE:
 234 <221> NAME/KEY: PEPTIDE
 235 <222> LOCATION: (1)..(27)
 236 <223> OTHER INFORMATION: Xaa is Hyp
 238 <400> SEQUENCE: 11
 W--> 239 Cys Arg Ile Xaa Asn Gln Lys Cys Met Gln His Leu Asp Asp Cys Cys
 240 1 5 10 15
 242 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
 243 20 25
 245 <210> SEQ ID NO: 12
 246 <211> LENGTH: 27
 247 <212> TYPE: PRT
 248 <213> ORGANISM: Conus purpurascens
 250 <220> FEATURE:
 251 <221> NAME/KEY: PEPTIDE
 252 <222> LOCATION: (1)..(27)
 253 <223> OTHER INFORMATION: Xaa is Hyp
 255 <400> SEQUENCE: 12
 W--> 256 Cys Arg Ile Xaa Asn Gln Lys Cys Tyr Gln His Leu Asp Asp Cys Cys
 257 1 5 10 15
 259 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
 260 20 25

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Input Set : A:\268.revised sequence.txt
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262 <210> SEQ ID NO: 13
263 <211> LENGTH: 27
264 <212> TYPE: PRT
265 <213> ORGANISM: Conus purpurascens
267 <220> FEATURE:
268 <221> NAME/KEY: PEPTIDE
269 <222> LOCATION: (1)..(27)
270 <223> OTHER INFORMATION: Xaa is Hyp
272 <400> SEQUENCE: 13
W--> 273 Cys Gln Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
274 1 5 10 15
276 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
277 20 25
280 <210> SEQ ID NO: 14
281 <211> LENGTH: 27
282 <212> TYPE: PRT
283 <213> ORGANISM: Conus purpurascens
285 <220> FEATURE:
286 <221> NAME/KEY: PEPTIDE
287 <222> LOCATION: (1)..(27)
288 <223> OTHER INFORMATION: Xaa is Hyp
290 <400> SEQUENCE: 14
W--> 291 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln Ala Leu Asp Asp Cys Cys
292 1 5 10 15
294 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
295 20 25
298 <210> SEQ ID NO: 15
299 <211> LENGTH: 27
300 <212> TYPE: PRT
301 <213> ORGANISM: Conus purpurascens
303 <220> FEATURE:
304 <221> NAME/KEY: PEPTIDE
305 <222> LOCATION: (1)..(27)
306 <223> OTHER INFORMATION: Xaa is Hyp
308 <400> SEQUENCE: 15
W--> 309 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Ala Cys Cys
310 1 5 10 15
312 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
313 20 25
316 <210> SEQ ID NO: 16
317 <211> LENGTH: 27
318 <212> TYPE: PRT
319 <213> ORGANISM: Conus purpurascens
321 <220> FEATURE:
322 <221> NAME/KEY: PEPTIDE
323 <222> LOCATION: (1)..(27)
324 <223> OTHER INFORMATION: Xaa is Hyp
326 <400> SEQUENCE: 16
W--> 327 Cys Arg Ile Xaa Asn Ala Lys Cys Phe Gln His Leu Asp Asp Cys Cys

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/21/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 4, 7, 9, 11, 16, 19, 22, 23, 25
Seq#:2; Xaa Pos. 4
Seq#:3; Xaa Pos. 4
Seq#:4; Xaa Pos. 4
Seq#:5; Xaa Pos. 4
Seq#:6; Xaa Pos. 4
Seq#:7; Xaa Pos. 4
Seq#:8; Xaa Pos. 4
Seq#:9; Xaa Pos. 4
Seq#:10; Xaa Pos. 4
Seq#:11; Xaa Pos. 4
Seq#:12; Xaa Pos. 4
Seq#:13; Xaa Pos. 4
Seq#:14; Xaa Pos. 4
Seq#:15; Xaa Pos. 4
Seq#:16; Xaa Pos. 4
Seq#:17; Xaa Pos. 4
Seq#:18; Xaa Pos. 4
Seq#:19; Xaa Pos. 4
Seq#:20; Xaa Pos. 4
Seq#:21; Xaa Pos. 4
Seq#:22; Xaa Pos. 4
Seq#:23; Xaa Pos. 4
Seq#:25; Xaa Pos. 4
Seq#:26; Xaa Pos. 4

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L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0